

### **REMARKS**

Claims 1-10, 13-15 and 21-23 are pending in the above application.

The Office Action dated June 15, 2006, has been received and carefully reviewed. Each issue raised in that Office Action is addressed below.

### **RESTRICTION REQUIREMENT**

Applicant maintains the traversal of the restriction requirement and reserves the right to petition this requirement if necessary. However, as an alternate way of addressing the restriction requirement, by the above amendment, formerly independent claim 8 has been revised to depend from claim 1. It is respectfully submitted that even if claim is found to be directed to a second species of invention, this claim, and claims 9 and 10 which depend from claim 8, should be rejoined in this application if claim 1 is found to be allowable. If for any reason the examiner does not believe claims 8-10 can be rejoined with this application if claim 1 is allowed, it is respectfully requested that reasons for such a position be made of record.

### **CLAIM OBJECTIONS**

The mis-numbering of claim 5 has been corrected in the above listing of claims.

### **DRAWINGS**

The reference to a circuit board in claim 22 has been deleted, and therefore the objection to the drawings for not showing a circuit board is respectfully traversed.

### **REJECTIONS UNDER 35 U.S.C. 102(b)**

#### **Horio**

Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by Horio. Claim 1 requires a semiconductor device that includes, *inter alia*, one or more electrically conductive patterns for shielding formed at one or more side faces of a substrate. The present Office Action indicates that Horio's shield cap 3 is an electrically conductive pattern.

It is respectfully submitted that a “shield cap” is not an electrically conductive pattern as stated in the Office Action. As shown by the enclosed definition of “pattern,” a pattern is, essentially, a design. One skilled in the art would not refer to a shield cap as a pattern.

It is noted that the examiner seemed to agree with the above interpretation when claim 1 was rejected based on Horio in view of a second reference in the July 21, 2005, Office Action and in the January 6, 2006, Office Action. In both of these Office Actions, the examiner acknowledged that Horio “fails to teach an adequate shielding as claimed. Specifically, the ‘152 reference [Horio] fails to disclose a copper foil or copper foil pattern or patterns at an end face of the substrate carrier as claimed.” There are now inconsistent statements in the record, and it is respectfully requested that if this rejection is maintained, the examiner explain why Horio is now being interpreted to show a “pattern” when no such pattern was believed to be present in prior Office Actions. Moreover, if this rejection is maintained, it is respectfully requested that the examiner explain how he is interpreting the word “pattern” broadly enough to cover a shield cap, given that this interpretation must be “consistent with the interpretation those skilled in the art would reach.” MPEP 2111. It is respectfully submitted that one skilled in the art would not understand Horio’s shield cap to be an electrically conductive pattern as required by claim 1 and that claim 1 is allowable over Horio for at least this reason.

In addition, by the above amendment, claim 1 has been revised to require that one or more terminals required for connection between the patterned wiring and at least one of the electrically conductive pattern or patterns is or are formed and at least one of the terminal or terminals is formed so as to at least partially protrude to the exterior and so as to have at least one more or less rectangular cross-section. These features are not shown or suggested by Horio, and claim 1 is submitted to further define over Horio for this reason as well.

Claims 2-10 and 13-15 depend from claim 1 and are submitted to be allowable for at least the same reasons as claim 1.

Claim 9 further distinguishes over the art of record by reciting that at least one tip portion of said terminal or terminals is chamfered at each side, a further feature that is not shown or suggested by the art of record. Claim 9 further distinguishes over Horio for this reason.

Claim 21 is rejected under 35 U.S.C. 102(e) as being anticipated by Horio. Claim 21

requires a semiconductor device that includes, *inter alia*, an electrically conductive shielding pattern. As discussed above in connection with claim 1, Horio does not show an electrically conductive shielding pattern as claimed, and claim 21 is therefore submitted to be allowable over the references of record for at least the same reasons as claim 1.

Furthermore, claim 21 has been revised to require that one or more terminals required for connection between the patterned wiring and at least one of the electrically conductive pattern or patterns is or are formed and that at least one of the terminal or terminals is formed so as to at least partially protrude to the exterior and so as to have at least one more or less rectangular cross-section. These features are not shown or suggested by Horio, and claim 21 is submitted to further distinguish over Horio for at least this reason.

Claims 2-4, 5-10, 13-15, 22 and 23 depend from claim 21 and are therefore submitted to be allowable for at least the same reasons as claim 21.

#### Egawa

Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by Egawa. By the above amendment, claim 1 has been revised to require one or more terminals required for connection between the patterned wiring and at least one of the electrically conductive pattern or patterns is or are formed and that at least one of the terminal or terminals is formed so as to at least partially protrude to the exterior and so as to have at least one more or less rectangular cross-section. The invention required by claim 1 differs from Egawa in at least this manner, and claim 1 is submitted to be allowable over Egawa for at least this reason.

Claims 2-10 and 13-15 depend from claim 1 and are submitted to be allowable for at least the same reasons as claim 1.

Claim 21 is rejected under 35 U.S.C. 102(e) as being anticipated by Egawa. Claim 21, as amended, requires one or more terminals required for connection between the patterned wiring and at least one of the electrically conductive pattern or patterns is or are formed and that at least one of the terminal or terminals is formed so as to at least partially protrude to the exterior and so as to have at least one more or less rectangular cross-section. At least these features are not shown or suggested by Egawa, and claim 21 is submitted to be allowable over Egawa for at least

this reason.

Claims 2-4, 5-10, 13-15, 22 and 23 depend from claim 21 and are submitted to be allowable for at least the same reasons as claim 21.

#### REJECTIONS UNDER 35 U.S.C. 103(a)

Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Horio "as evident by" Terui. Claim 2 depends from claim 1. Terui does not address the shortcomings of Horio discussed above in connection with claim 1. Claim 2 is therefore submitted to be allowable for at least the same reasons as claim 1.

Claims 3 and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Egawa in view of McKaveney. Claims 3 and 4 depend from claim 1. McKaveney does not address the shortcomings of Egawa discussed above in connection with the rejection of claim 1 based on Egawa. Claims 3 and 4 are therefore submitted to be allowable over Egawa in view of McKaveney for at least the same reasons provided above in connection with claim 1.

#### CONCLUSION

Each issue raised in the Office Action dated June 15, 2006, has been addressed, and it is believed that claims 1-10, 13-15 and 21-23 are in condition for allowance. Wherefore, reconsideration and allowance of claims these claims is earnestly solicited.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Scott Wakeman (Reg. No. 37,750) at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

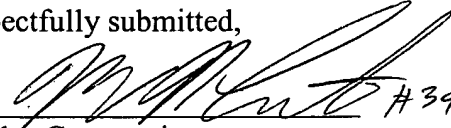
Application No. 10/791,750  
Amendment dated September 15, 2006  
Reply to Office Action of June 15, 2006

Docket No.: 0951-0133P

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

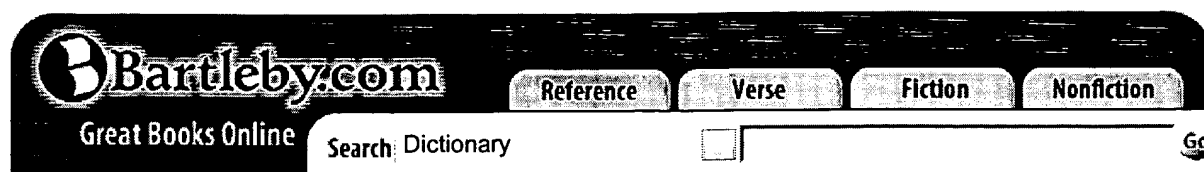
Dated: September 15, 2006

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The American Heritage® Dictionary of the English Language: Fourth Edition. 2000.

## pattern

SYLLABICATION: pat·tern

PRONUNCIATION: păt'ərn

**NOUN:** **1a.** A model or original used as an archetype. **b.** A person or thing considered worthy of imitation. **2.** A plan, diagram, or model to be followed in making things: *a dress pattern*. See synonyms at **ideal**. **3.** A representative sample; a specimen. **4a.** An artistic or decorative design: *a paisley pattern*. See synonyms at **figure**. **b.** A design of natural or accidental origin: *patterns of bird formations*. **5.** A consistent, characteristic form, style, or method, as: **a.** A composite of traits or features characteristic of an individual or a group: *one's pattern of behavior*. **b.** Form and style in an artistic work or body of artistic works. **6a.** The configuration of gunshots upon a target that is used as an indication of skill in shooting. **b.** The distribution and spread, around a targeted region, of spent shrapnel, bomb fragments, or shot from a shotgun. **7.** Enough material to make a complete garment. **8.** A test pattern. **9.** The flight path of an aircraft about to land: *a flight pattern*. **10.** *Football* A pass pattern.

**VERB:** Inflected forms: **pat-terned, pat-tern-ing, pat-terns**

**TRANSITIVE VERB:** **1.** To make, mold, or design by following a pattern: *We patterned this plan on the previous one. My daughter patterned her military career after her father's.* **2.** To cover or ornament with a design or pattern.

**INTRANSITIVE VERB:** To make a pattern.

**ETYMOLOGY:** Middle English *patron*, from Old French. See *patron*.

